

Specifications

MPA 152 Plus

Audio

Voltage gain	
Balanced	25x (28 dB)
Unbalanced	50x (34 dB)
Stereo channel separation.....	>60 dB @ 1 kHz
CMRR.....	74 dB (typical) @ 1 kHz
Bass adjustment	±10 dB @ 80 Hz (reference) to 1 kHz (2 dB tolerance)
Treble adjustment.....	±10 dB @ 10 kHz (reference) to 1 kHz (2 dB tolerance)

Audio input

Number/signal type.....	1 stereo, balanced/unbalanced input 2 stereo, unbalanced inputs (The three inputs are individually buffered and summed together.)
Connectors	(1) 3.5 mm captive screw connector, 5 pole (main input) (1) 3.5 mm mini audio jack (tip, ring, sleeve) 1 pair female RCA
Impedance.....	>10k ohms unbalanced/balanced, DC coupled
Maximum level	
RCA and TRS inputs	+9 dBV (unbalanced) at 1% THD+N
Captive screw input.....	+12 dBu (balanced) at 1% THD+N
Input sensitivity	
Balanced	-8 dBu
Unbalanced	-16 dBV
Input signal detection threshold.....	RCA and mini audio jacks: -53 dBV (2.24 mV) ±3 dB, unbalanced Captive screw connector: -46 dBu (3.88 mV) ±3 dB, balanced

NOTE: 0 dBu = 0.775 V_{rms}, 0 dBV = 1 V_{rms}, 0 dBV ≈ 2 dBu

Audio output

Number/signal type.....	1 stereo or 2 mono (2 channels total)
Connectors	(1) 5 mm captive screw connector, 4 pole
Load impedance.....	4 ohms, minimum
Amplifier type	Class D
Output power	8 watts rms per channel, 8 ohms, 1 kHz, 1% THD 15 watts rms per channel, 4 ohms, 1 kHz, 1% THD
Frequency response	20 Hz to 20 kHz, +1/-3 dB @ 8 ohms
THD + Noise	<0.1% -3dB below clipping @ 1 kHz, 8 ohm load
S/N	90 dB, 20 Hz to 20 kHz, unweighted
Damping factor	>100 at 8 ohms

Communications — amplifier

Control port	(1) 3.5 mm captive screw connector, 3 pole
Pin configuration	Pin 1 = +10 VDC, 50 mA (max.), pin 2 = volume/mute (variable voltage), pin 3 = GND
Volume control voltage range	0 V (mute) to 10 V (maximum volume)

General

Power supply	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 2 A, 24 watts
Power consumption	
Typical (1/8 power)	
Device	7.3 watts, 4 ohm load
Device and power supply...	8.5 watts, 4 ohm load
Quiescent	
Device	3.1 watts
Device and power supply...	3.8 watts
Standby	
Device and power supply...	<1 watt (triggered after 25 minutes [$\pm$ 5 minutes] with no signal)
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling	Convection, no vents
Thermal dissipation	
Standby	
Device and power supply...	<1 watt (3 BTU/hr)
Idle	
Device	3.1 watts (10 BTU/hr)
Device and power supply...	3.8 watts (13 BTU/hr)
1/8 power	
Device	3.5 watts (12 BTU/hr), 4 ohm load
Device and power supply...	4.8 watts (16 BTU/hr), 4 ohm load
Mounting	
Rack mount.....	Yes, with optional 1U rack shelf or back of rack mounting kit
Furniture mount.....	Yes, with optional mini under desk mounting kit
Pole mount.....	Yes, with optional pole mounting kit
Enclosure type	Metal
Enclosure dimensions	1.7" H x 4.3" W x 3.0" D (1U high, quarter rack wide) (4.3 cm H x 10.9 cm W x 7.6 cm D) (Depth excludes connectors.)
Product weight	0.6 lbs (0.3 kg)
Shipping weight	3 lbs (2 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety	BSMI, CCC, CE, c-UL, UL UL rated for use in plenum airspaces: meets UL 2043 for heat and smoke release, excluding the power supply; meets UL 60065 for safety.
EMI/EMC.....	CE, C-tick, FCC Class B, ICES, KCC, VCCI
Environmental.....	Complies with the appropriate requirements of CEC, ENERGY STAR® (ENERGY STAR qualified amplifier), EU code of conduct, RoHS, WEEE
Warranty	3 years parts and labor

NOTE: All nominal levels are at $\pm$ 10%.

NOTE: Specifications are subject to change without notice.

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